

ABSTRACT OF THE DISCLOSURE

[0029] A rotary polygon mirror assembly preferably comprising a stator, a rotor assembly rotated by a rotational magnetic force generated by an operation with the stator, a rotary polygon mirror disposed at the rotor assembly and having a plurality of reflecting surfaces respectively provided at outer surfaces thereof, and a fixing member disposed so as to completely cover an upper surface of the rotary polygon mirror, for fixing the rotary polygon mirror to the rotor assembly. The fixing member for fixing the rotary polygon mirror has an enough size to completely cover the rotary polygon mirror. Thus, the air containing contaminants which is flowed to the rotary polygon mirror upon the rotation of the rotary polygon mirror is not directly contacted with the reflecting surface of the rotary polygon mirror: